

#### ABSTRACT OF THE DISCLOSURE

A method and system pertaining to a dual antenna compensation algorithm is provided.

A local area augmentation system may include a dual antenna system to receive signals from satellites. The system may switch between the antennas to receive signals, and the transition

5 between the antennas should be seamless. Thus, phase variations between the antennas can be determined to correct for code phase variations, and hardware delays between the antennas can be determined to correct for delay differences in signals received from both antennas.